Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/15/2021 08:55 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124455	-1	1.20	124393	1.17
Blue	F	SSC	125000	122245	-3	2.52	122552	2.38
Blue	E	FITC	13131	12746	-3	2.23	293	15.19
Blue	D	PE	24112	23815	-2	1.61	545	10.51
Blue	B	PerCP-Cy5-5	31295	30570	-3	2.98	1014	14.03
Blue	A	PE-Cy7	19939	19665	-2	5.09	525	28.28
Red	C	APC	42122	41023	-3	3.10	1723	11.49
Red	A	APC-Cy7	22340	21596	-4	3.56	807	11.70
Violet	B	V450	7410	7004	-6	3.82	427	12.47
Violet	A	V500	28118	26969	-5	3.37	672	9.90

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23027	1.35	564	-5	N/A	N/A	Pass
Blue	F	SSC	57162	1.06	517	5	N/A	N/A	Pass
Blue	E	FITC	54	54.62	483	-4	0.0463	162	Pass
Blue	D	PE	114	37.06	486	-2	0.4774	371	Pass
Blue	B	PerCP-Cy5-5	189	35.94	581	-5	0.0220	137	Pass
Blue	A	PE-Cy7	104	67.02	623	-5	0.0235	3	Pass
Red	C	APC	398	24.18	579	3	0.0275	185	Pass
Red	A	APC-Cy7	181	28.05	553	2	0.0065	1381	Pass
Violet	B	V450	60	60.76	462	9	0.0595	2023	Pass
Violet	A	V500	97	31.77	474	9	0.0246	438	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.57	-31.43	1.00
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.43
Red	15.29	13.60 - 20.40	N/A	N/A	29.92	30.12	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9878

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments